



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/760,721	01/17/2001	Jon J. Burgess	922-120	4871

7590 08/03/2004

NIXON & VANDERHYE P.C.
1100 North Glebe Rd., 8th Floor
Arlington, VA 22201-4714

EXAMINER

CHANG, RICHARD

ART UNIT	PAPER NUMBER
----------	--------------

2663

DATE MAILED: 08/03/2004

4

Please find below and/or attached an Office communication concerning this application or proceeding.

SK

Office Action Summary

Application No.

09/760,721

Applicant(s)

BURGESS ET AL.

Examiner

Richard Chang

Art Unit

2663

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 January 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) _____ is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 January 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2/1/17/2001
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-4 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by US patent No. 6,101,170 ("Doherty et al").

Regarding claims 1 and 3, Doherty et al teach a multiported data communications device as the secure fast packet switches (SFPS) S1 to S6 (a multi-port network communication device or a multi-port communication network switch) including four ports wherein the access ports provide network access security and packet routing (plurality of ports for the reception ... media access control address data) (See Fig. 1, Col. 3, lines 15-25),

a database memory 54 contains the connection database that includes the connection tables wherein every source address/destination address and destination address/source address combination will require an entry in the connection table (a memory for the ... media access control addresses) (See Fig. 4, Col. 12, lines 12-39),

a connection database 14 which in combination with lookup and forwarding logic which can determine the outbound destination port (s) and the allowable input port for the

packet (a forwarding database ... addresses to said ports) (See Fig. 5, Col. 9, lines 1-61),
and

a lookup and forwarding logic 50 which monitors packets arriving on packet databus 11, extracts the relevant data from them, formats the data, and presents this data on line 51 to bridge address filter 52 and the bridge address filter 52 in turn checks the data against the entries currently contained in the connection database (a forwarding mechanism for directing ... the plurality of ports) (See Fig. 4, Col. 8, lines 11-64),

wherein lookup and forwarding logic and call processor software provides a control flow wherein the source address and destination address are looked up individually and determines if the combination of source address and destination address is found in database memory (means for restricting forwarding ... permitted media access control addresses) (See Fig. 6, Col. 11, line 37 to Col. 13, line 25).

Regarding claim 2 and 4, Doherty et al further teach that

the call processor software in combination with lookup and forwarding logic will discard the broadcast/multicast packet if the source address and destination address is not in the connection database (said means for restricting prevents the forwarding of multicast ... permitted media access control addresses) (See Fig. 6, Col. 11, line 37 to Col. 13, line 25),

the data structure where the data in the data structure is organized so that the various input ports and output ports are located in a predetermined location in the data structure (a cache containing a list... media access control addresses) (See Fig. 4, Col. 8, line 43-64), and

Art Unit: 2663

the connection database table is established by the SFPS connection setup application which indicates for a particular DA-SA pair on which port (s) the data shall be sent outbound and the forwarding logic acts on this data to produce a outmask to the transmit queue logic (said device being operative to provide a list ... media access control data in the packet and a port in said list) (See Fig. 3, Col. 7, lines 1-53).

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Chang whose telephone number is 703-605-4398. The examiner can normally be reached on Monday - Friday from 8 AM to 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau T Nguyen can be reached on 703-308-5340. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Richard Chang
Patent Examiner
Art Unit 2663

RKC
rkc


CHAU NGUYEN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600